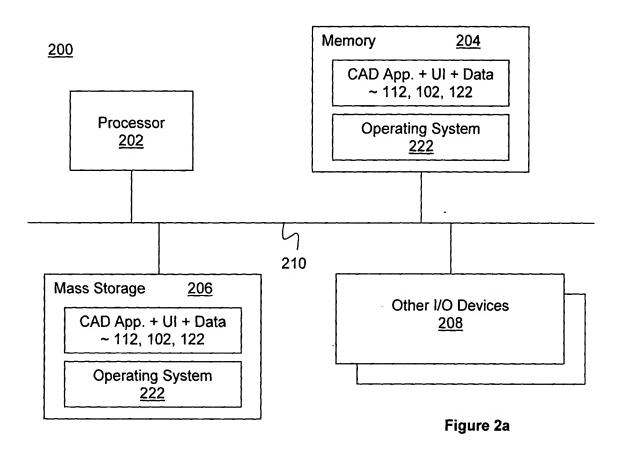


Figure 1

Attorney's Docket No.: 109869-134067 Date of Deposit: August 29, 2003 Inventor(s): Somashekar Ramachandran Subrahmanyam Application No.: Not yet assigned

For: Facial Characteristic Based Generation of Fillet Weld Bead Representation

Express Mail No. EV069127482US



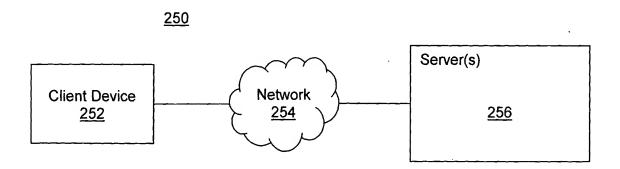


Figure 2b

Express Mail No. EV069127482US

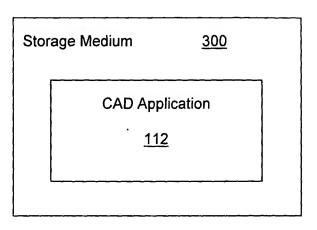
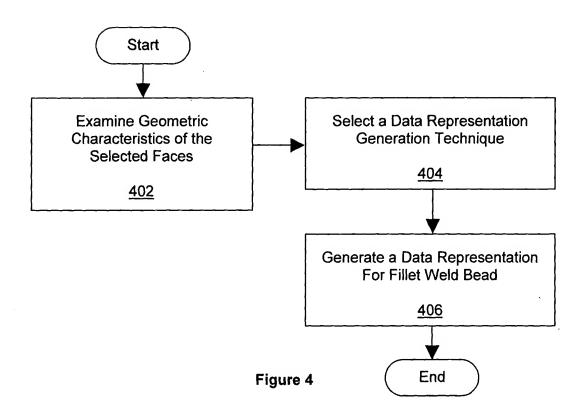
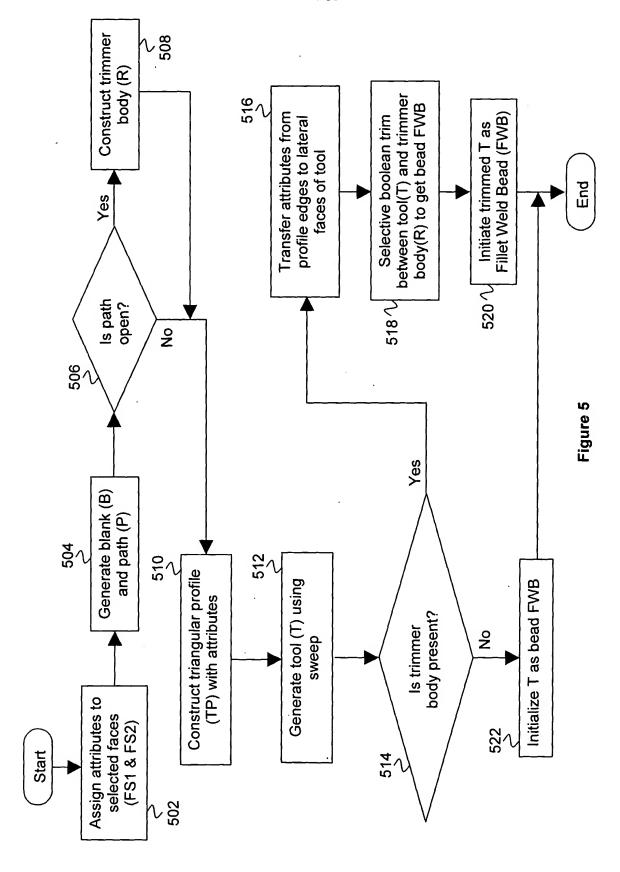
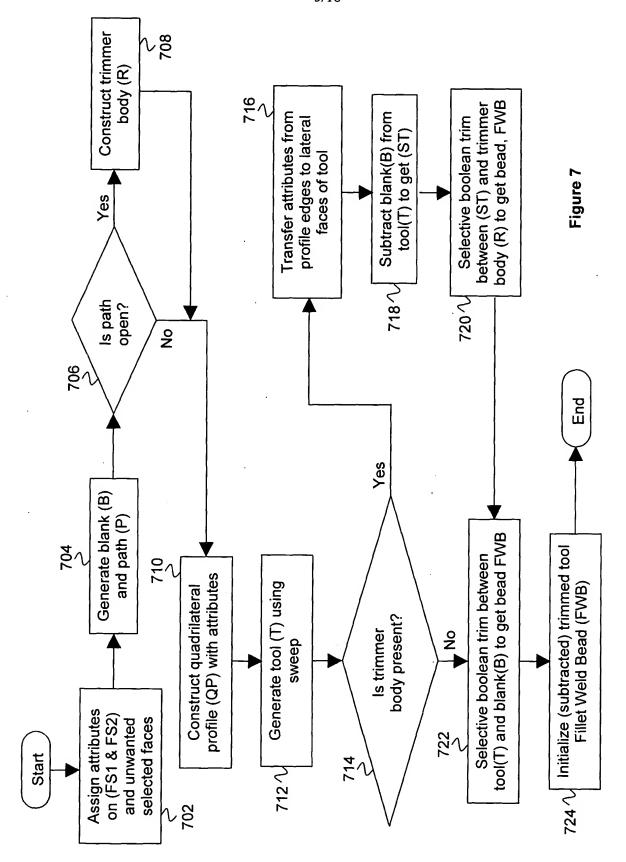


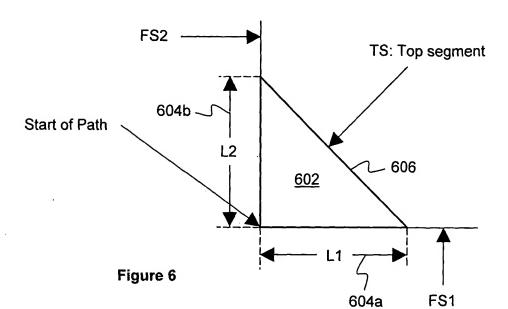
Figure 3





Express Mail No. EV069127482US





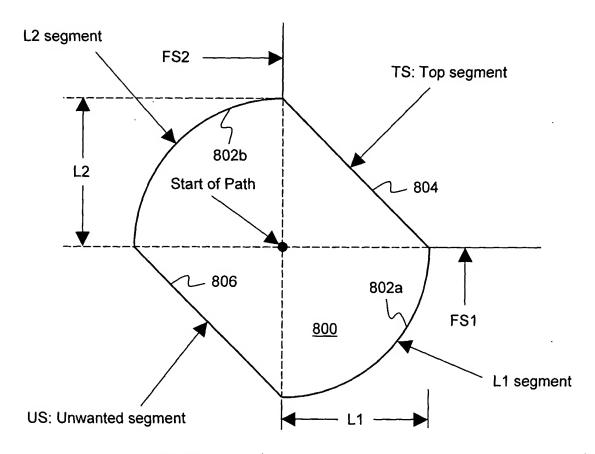
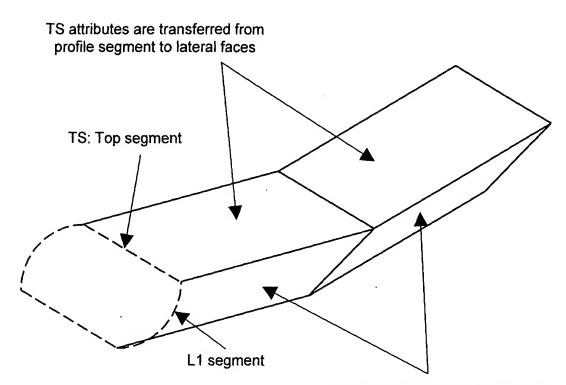
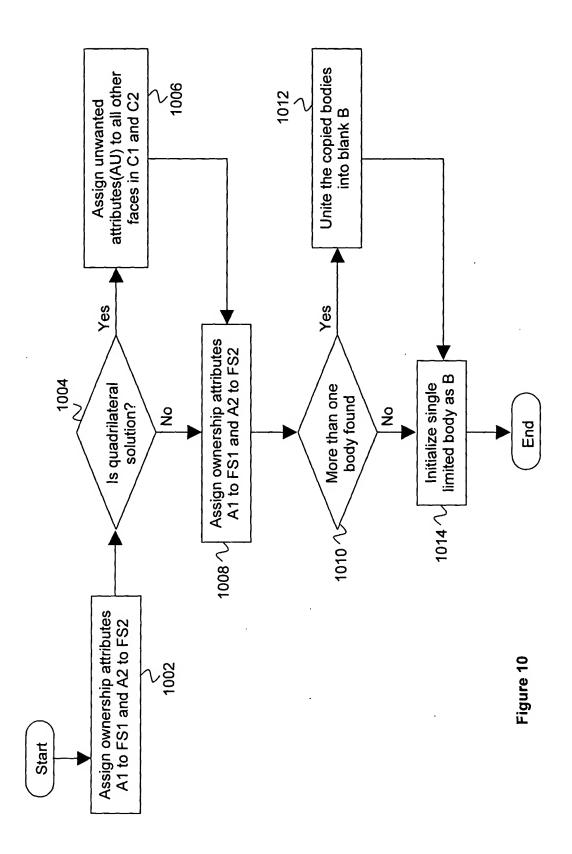


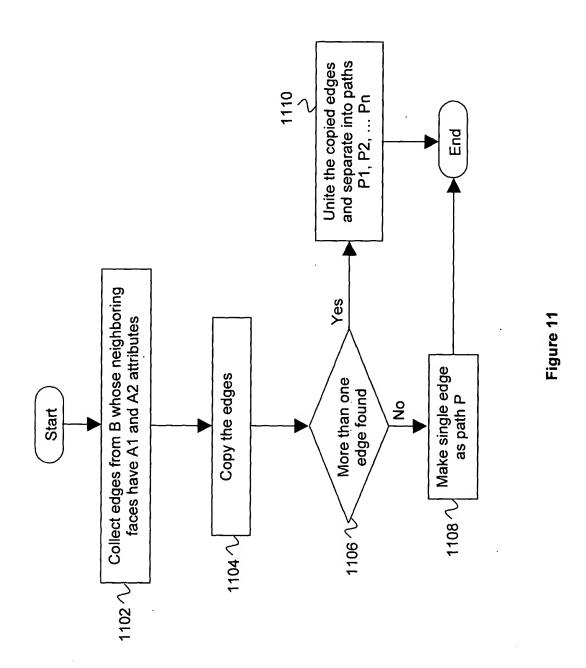
Figure 8



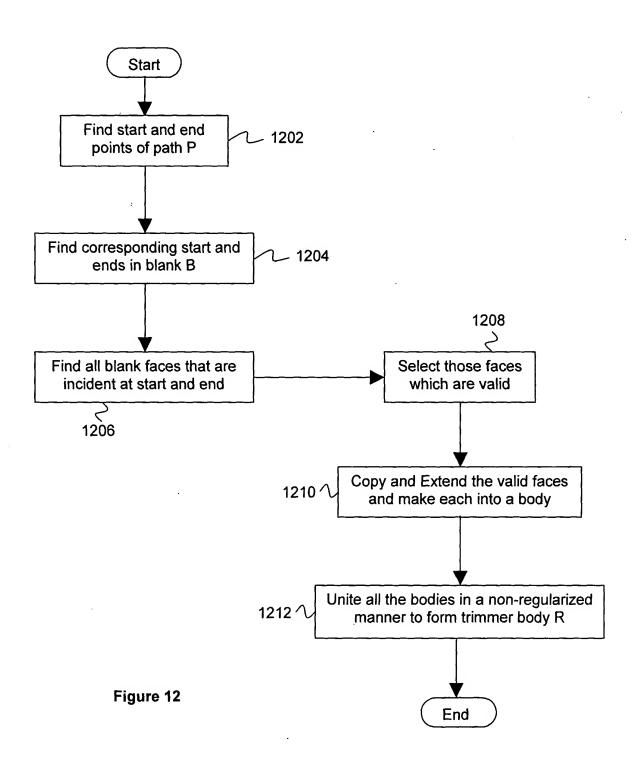
L1 segment attributes are transferred from the profile segment to lateral faces

Figure 9





Express Mail No. EV069127482US



Attorney's Docket No.: 109869-134067
Inventor(s): Somashekar Ramachandran Subrahmanyam
For: Facial Characteristic Based Generation of Fillet Weld Bead Representation
Express Mail No. EV069127482US

Date of Deposit: August 29, 2003
Application No.: Not yet assigned Bead Representation

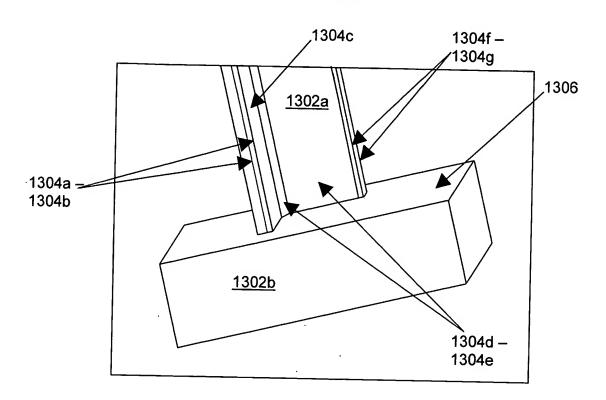


Figure 13a

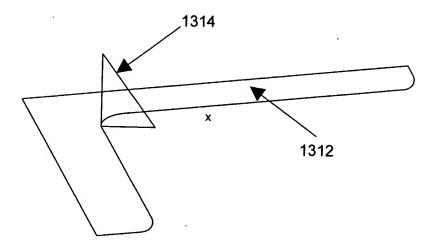


Figure 13b

Attorney's Docket No.: 109869-134067
Inventor(s): Somashekar Ramachandran Subrahmanyam
For: Facial Characteristic Based Generation of Fillet Weld Bead Representation
Express Mail No. EV069127482US

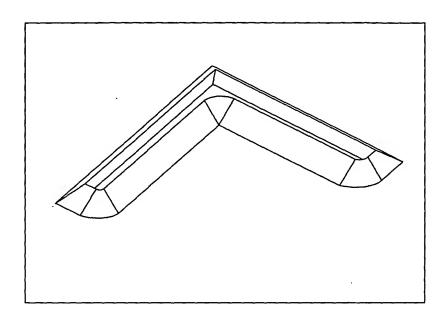


Figure 13c

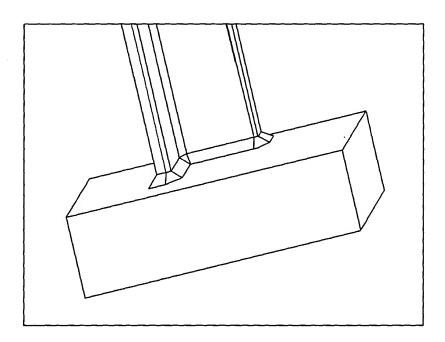


Figure 13d

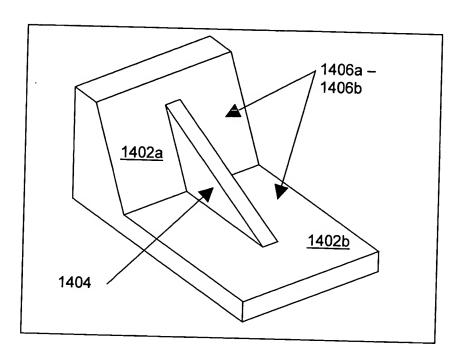
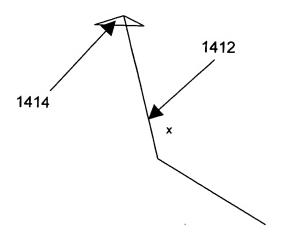


Figure 14a



Figur 14b

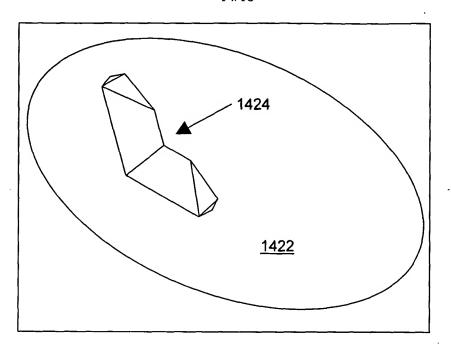


Figure 14c

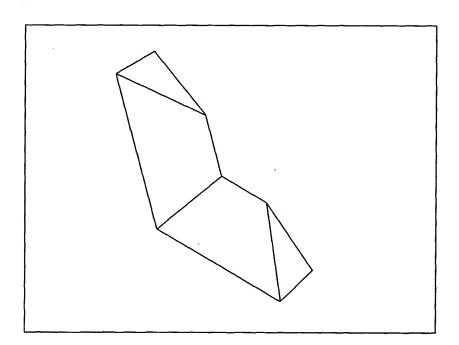


Figure 14d

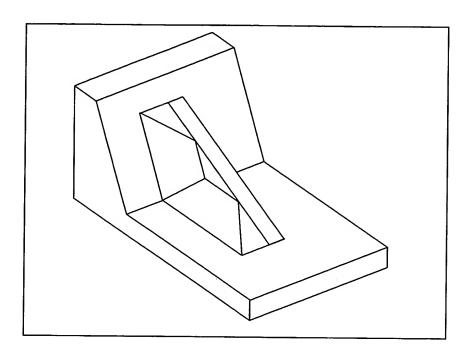


Figure 14e

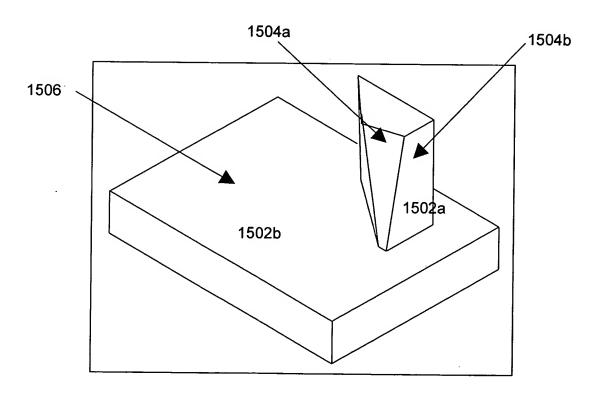


Figure 15a

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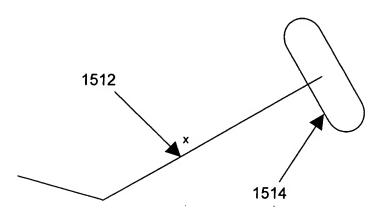


Figure 15b

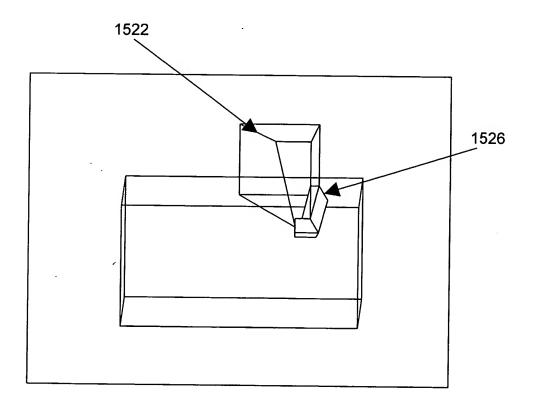


Figure 15c

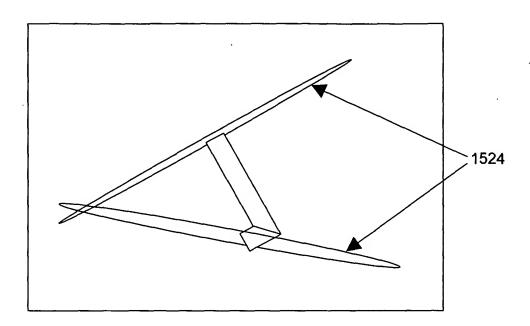


Figure 15d

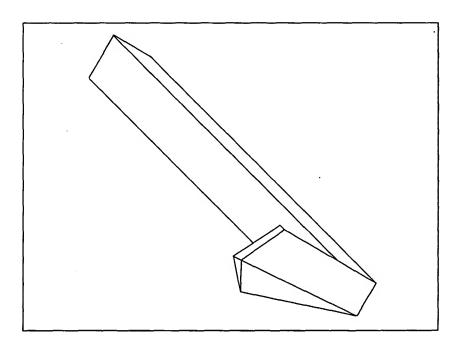


Figure 15e

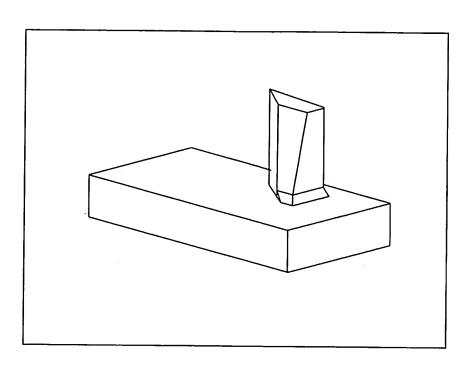


Figure 15f